

# INDEX: Volume 23 (1970)

(Figures indicate issue number and page)

- A**
- ADE, RICHARD  
 Pipestone National Monument 3, 144  
*Agate, Tube* 4, 175  
*Algae*  
   Designs for Jewelry 5, 239
- APPLEGATE, SHELTON P.  
 Whale Hunt in Mississippi 5, 225
- Archaeology  
 A Project for Amateur Archaeologists 1, 22
- B**
- BAYER, THOMAS N., Ph.D.  
 Fossil Collecting in the Driftless Area of Minnesota 2, 56  
*Big Bend National Park* 3, 112
- C**
- Chief, The* 4, 178
- CHROMY, BEN  
 The Wee Crystals 1, 10; 2, 75; 3, 140; 4, 189; 5, 248; 6, 294
- Coal Balls*  
 Thin Section Peels from 1, 8
- CORNWELL, EARL AND MARY  
 Ireland before Patrick 2, 68
- D**
- DOUGLAS, DALE  
 Midwest Fossils 1, 22; 3, 127; 4, 191; 5, 250; 6, 297
- E**
- Ecology  
 How Gloomy is Man's Future? 5, 246
- ERICKSON, BRUCE R.  
 Minnesota's Little Known Fossil Faunas 4, 166
- F**
- FAIRBANKS, ERNEST E.  
 The Toughness of Silicified Wood 2, 65
- FARR, JAY E.  
 Rocks and Rock Forming Minerals 1, 17; 2, 79
- FITZGERALD, GEORGE P.  
 Algae: A Profession gives Direction to a Hobby 5, 239  
*Fluorspar in Southern Illinois* 6, 300
- Fossils  
 Collecting in the Driftless Area of Minnesota 2, 56  
 Collecting in Glenwood Canyon, Colorado 4, 179  
 Collecting in the Pella Beds of Iowa 1, 13
- Crinoid Stems 6, 286  
 Gilmore City Crinoid Fauna 5, 228  
 Mazon Creek 5, 244  
 Midwest, 1, 22, 3, 127; 4, 191; 5, 250; 6, 297
- Minnesota's Little Known Faunas 4, 166  
 Paleozoic Vertebrate Occurrences in Ohio 1, 12  
 Thin-Section Technique for Wood 4, 170  
*Funk Mineral Museum* 5, 234
- G**
- GEORGE, CALVIN  
 Mazon Creek Fossils 5, 244  
 One Third of the Nation's Land 6, 291  
*Gilmore City Crinoid Fauna* 5, 228  
*Glenwood Canyon, Colorado*  
 Fossil Collecting in 4, 179
- GRICIUS, ANTHONY  
 Rare Twinned Quartz Crystals in a Geode 5, 222  
*Grotto of the Redemption* 6, 278
- H**
- HALE, WILLIAM  
 The Eyes Have It! 3, 135
- HLAVIN, WILLIAM J.  
 Paleozoic Vertebrate Occurrences in Ohio 1, 12
- I**
- Ireland before Patrick* 2, 68
- J**
- JACOBSON, RUSSELL  
 The Gilmore City Crinoid Fauna 5, 228
- JONES, DAVID B.  
 A Badlands Titanotheres 6, 303
- K**
- KHAWAJA, IKRAM  
 Fluorspar in Southern Illinois 6, 300
- L**
- Lake Texoma* 3, 122
- Mac**
- MacFALL, RUSSELL P.  
 Funk Mineral Museum Celebrates a Birthday 5, 234
- M**
- Mammoth Cave* 6, 280

# INDEX: Volume 23 (1970)

(Figures indicate issue number and page)

- A**
- ADE, RICHARD  
 Pipestone National Monument 3, 144  
*Agate, Tube* 4, 175  
*Algae*  
   Designs for Jewelry 5, 239
- APPLEGATE, SHELTON P.  
 Whale Hunt in Mississippi 5, 225
- Archaeology  
 A Project for Amateur Archaeologists 1, 22
- B**
- BAYER, THOMAS N., Ph.D.  
 Fossil Collecting in the Driftless Area of Minnesota 2, 56  
*Big Bend National Park* 3, 112
- C**
- Chief, The* 4, 178
- CHROMY, BEN  
 The Wee Crystals 1, 10; 2, 75; 3, 140; 4, 189; 5, 248; 6, 294
- Coal Balls*  
 Thin Section Peels from 1, 8
- CORNWELL, EARL AND MARY  
 Ireland before Patrick 2, 68
- D**
- DOUGLAS, DALE  
 Midwest Fossils 1, 22; 3, 127; 4, 191; 5, 250; 6, 297
- E**
- Ecology  
 How Gloomy is Man's Future? 5, 246
- ERICKSON, BRUCE R.  
 Minnesota's Little Known Fossil Faunas 4, 166
- F**
- FAIRBANKS, ERNEST E.  
 The Toughness of Silicified Wood 2, 65
- FARR, JAY E.  
 Rocks and Rock Forming Minerals 1, 17; 2, 79
- FITZGERALD, GEORGE P.  
 Algae: A Profession gives Direction to a Hobby 5, 239  
*Fluorspar in Southern Illinois* 6, 300
- Fossils  
 Collecting in the Driftless Area of Minnesota 2, 56  
 Collecting in Glenwood Canyon, Colorado 4, 179  
 Collecting in the Pella Beds of Iowa 1, 13
- Crinoid Stems 6, 286  
 Gilmore City Crinoid Fauna 5, 228  
 Mazon Creek 5, 244  
 Midwest, 1, 22, 3, 127; 4, 191; 5, 250; 6, 297
- Minnesota's Little Known Faunas 4, 166  
 Paleozoic Vertebrate Occurrences in Ohio 1, 12  
 Thin-Section Technique for Wood 4, 170  
*Funk Mineral Museum* 5, 234
- G**
- GEORGE, CALVIN  
 Mazon Creek Fossils 5, 244  
 One Third of the Nation's Land 6, 291  
*Gilmore City Crinoid Fauna* 5, 228  
*Glenwood Canyon, Colorado*  
 Fossil Collecting in 4, 179
- GRICIUS, ANTHONY  
 Rare Twinned Quartz Crystals in a Geode 5, 222  
*Grotto of the Redemption* 6, 278
- H**
- HALE, WILLIAM  
 The Eyes Have It! 3, 135
- HLAVIN, WILLIAM J.  
 Paleozoic Vertebrate Occurrences in Ohio 1, 12
- I**
- Ireland before Patrick* 2, 68
- J**
- JACOBSON, RUSSELL  
 The Gilmore City Crinoid Fauna 5, 228
- JONES, DAVID B.  
 A Badlands Titanotheres 6, 303
- K**
- KHAWAJA, IKRAM  
 Fluorspar in Southern Illinois 6, 300
- L**
- Lake Texoma* 3, 122
- Mac**
- MacFALL, RUSSELL P.  
 Funk Mineral Museum Celebrates a Birthday 5, 234
- M**
- Mammoth Cave* 6, 280

<b>MARSHALL, JAMES</b>	
A Project for Amateur Archaeologists	1, 22
<b>MATTHEWS, WILLIAM H., III</b>	
Big Bend National Park	3, 112
Micromounts	1, 10; 2, 75; 3, 140;
	4, 189; 5, 248; 6, 294
Moon Rocks	1, 6; 3, 115

# P

<b>PAMPE, WILLIAM R., Ph.D.</b>	
Fossil Collecting in Glenwood Canyon, Colorado	4, 179
<b>PEARL, RICHARD M.</b>	
Rocks and Minerals of the Moon	3, 115
<b>PETERSON, HARRY E.</b>	
The Tully Monster	5, 243
Pipestone National Monument	3, 144
<b>PITTS, SUE</b>	
Notes on the Mississippi Whale Hunt	5, 226
<b>PRIEST, AMEL</b>	
Fossil Collecting in the Pella Beds of Iowa	1, 13
Crinoid Stems	6, 286
Public Lands	6, 291

# R

<i>Rocks and Minerals of the Moon</i>	3, 115
<i>Rocks and Rock Forming Minerals</i>	1, 17; 2, 79

# S

<i>Selenite, Texas</i>	3, 138
<b>SHANKS, HOWARD R.</b>	
Coal Balls	1, 8
<b>SHOURD, MELVIN L.</b>	
Lake Texoma	3, 122
Silicified Wood, Toughness of	2, 65
<b>SMART, CHARLES H.</b>	
The Chief	4, 178
<b>STINCHCOMB, BRUCE L.</b>	
Oldest Known Fossils	3, 116; 4, 183

# T

<b>TENNISSEN, ANTHONY C.</b>	
Selenite in Texas	3, 138
Thomsonite	3, 135
Titanother, Badlands	6, 303
Trilo-Bits	3, 148; 6, 306
Tully Monster	5, 243

# V

<b>VAUGHAN, LENORE</b>	
The Shrine of Promise	6, 278

# W

<i>Whale Hunt in Mississippi</i>	5, 225
<b>WILSON, L. R.</b>	
Fossil Wood	4, 170
<b>WINKLER, ERHARD M.</b>	
How Gloomy is Man's Future?	5, 246
<b>WOLLIN, JAY C.</b>	
The Mammoth Cave	6, 280
Trilo-Bits	3, 148; 6, 306

November-December, 1970

## GIFT To yourself To a friend EARTH SCIENCE

- Educational
- Interesting
- Inexpensive

Send this coupon with your check to Earth Science, Box 550, Downers Grove, Illinois 60515. We will mail gift card if requested.

6 issues a year  
One year \$3.00 Two years \$5.50  
Three years \$8.00  
Your name and address

Name and address of person  
receiving subscription

Please add 50¢ year outside United States

### STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION (Act of October 23, 1962; Section 4369, Title 39, United States Code)

1. Date of filing: September 25, 1970.  
2. Title of Publication: Earth Science.  
3. Frequency of issues: Bi-monthly—6 issues per year.  
4. Location of known office of publication (street, city, county, state, zip code): Kable Printing Company, 404 N. Wesley Ave., Mount Morris, Ogle Co., Illinois 61034.  
5. Location of the headquarters or general business offices of the publishers (not printers): 5426 Carpenter St., Downers Grove, DuPage Co., Illinois 60515.  
6. Names and addresses of publisher, editor, and managing editor: Publisher (name and address) Earth Science Publishing Co., Inc., P. O. Box 550, Downers Grove, Illinois 60515; Editor (name and address), Position open as of this date: Managing Editor (name and address), Mary (Mrs. Earl D.) Cornwell, 5426 Carpenter St., Downers Grove, Illinois 60515.  
7. Owner (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding 1 percent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a partnership or other unincorporated firm, its name and address, as well as that of each individual must be given.; Thomas P. Lalish, 4910 Northcott, Downers Grove, Illinois 60515; Earl D. and Mary G. Cornwell, 5426 Carpenter Street, Downers Grove, Illinois 60515; Verne I. Montgomery, 830 Sheridan Pl., Downers Grove, Illinois 60515; Orval M. Fether, 818 Birch Street, Downers Grove, Illinois 60515; Richard M. Pearl, Colorado College, Colorado Springs, Colorado 80903.  
8. Known bondholders, mortgagees, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages or other securities. (If there are none, so state): None.

Total number of copies printed (Net Press Run): Average number copies each issue during preceding 12 months, 7,072. Single issue nearest to filing date, 7,595.

Paid Circulation: 1. To term subscribers by mail, carrier delivery or by other means: Average number copies each issue during preceding 12 months, 4,707. Single issue nearest to filing date, 4,631. 2. Sales through agents, news-dealers, or otherwise: Average number copies each issue during preceding 12 months, 632. Single issue nearest to filing date, 631.

Free distribution (including samples) by mail, carrier delivery, or by other means: Average number copies each issue during preceding 12 months, 100; single issue nearest to filing date, 100.

Total number of copies distributed: Average number copies each issue during preceding 12 months, 5,439. Single issue nearest to filing date, 5,362.

I certify that the statements made by me above are correct and complete.

Earl D. Cornwell, Business Manager